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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,589	08/05/2003	Keerthinarayan P. Heragu	TI-35285	6573
23494	7590 09/24/2004		EXAMINER	
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999			TRAN, MICHAEL THANH	
DALLAS, TX 75265			ART UNIT	PAPER NUMBER
			2818	-

DATE MAILED: 09/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/634,589	HERAGU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Michael t Tran	2818			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet v	vith the correspondence add	dress		
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b).	NN. R 1.136(a). In no event, however, may a i. I reply within the statutory minimum of the riod will apply and will expire SIX (6) MC atute, cause the application to become A	reply be timely filed irty (30) days will be considered timely NTHS from the mailing date of this co NBANDONED (35 U.S.C. § 133).			
Status					
1) \boxtimes Responsive to communication(s) filed on $\underline{0}$	5 August 2003.				
	This action is non-final.				
3) Since this application is in condition for allo closed in accordance with the practice und	wance except for formal ma	• •	merits is		
Disposition of Claims					
 4) Claim(s) 1-20 is/are pending in the applicate 4a) Of the above claim(s) is/are with 5) Claim(s) 11-20 is/are allowed. 6) Claim(s) 1,3,4,9 and 10 is/are rejected. 7) Claim(s) 2 and 5-8 is/are objected to. 8) Claim(s) are subject to restriction are 	drawn from consideration.				
Application Papers					
9)☐ The specification is objected to by the Exan	niner.				
0)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to	the drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	•	•	` '		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority document	nents have been received. Itents have been received in poriority documents have been reau (PCT Rule 17.2(a)).	Application No n received in this National \$	Stage		
		\bigcirc			
Attachment(s)	04				
1) Notice of References Cited (PTO-892)		Summary (PTO-413)			
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date <u>080503</u>. 		(s)/Mail Date Informal Patent Application (PTO 	-152)		

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DETAILED ACTION

1. In response to the Communications dated August 05, 2003, claims 1-20 are active in this application.

Information Disclosure Statement

2. The information disclosure statement filed August 05, 2003 has been considered.

Claim Objections

3. Claims 2 and 5-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

It appears that claim 7 is incomplete.

Claim Rejections - 35 U.S.C. § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in-
- (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

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(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

5. Claims 1, 3, 4, 9, and 10 are rejected under 35 U.S.C 102(b) as being anticipated by Kim et al. [U.S. Patent #6,091,663].

With respect to claim 1, Kim et al. disclose a method for timing memory access in a clocked circuit, comprising: receiving a clock pulse used as a first strobe signal to a first strobe input of a memory for initiating a first memory access; receiving a strobe ready signal from the memory after the first memory access; generating a second strobe signal in response to the strobe ready signal; and transmitting the second strobe signal to a second strobe input of the memory for initiating a second memory access during the clock pulse. See 10th paragraph of the "Summary of the Invention" section. In the cited section, Kim et al. indicated that there are two separate strobe signals for separate memory access.

With respect to claim 3, Kim et al. disclose, in figure 4, the device further comprising a constant input to at least one memory select input [WS] of the memory for allowing the first memory access and the second memory access.

With respect to claim 4, Kim et al. disclose, in figure 4, the device further comprising a constant signal to a first memory select input of the memory for allowing the first memory access.

With respect to claim 9, Kim et al. disclose that the clock pulse is from a system clock. See "Summary of the Invention" section.

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With respect to claim 10, Kim et al. disclose that the clock pulse is a positive clock pulse. See figure 8.

Allowable Subject Matter

- 6. Claims 11-20 are allowable over the prior art of record.
- 7. The following is an Examiner's statement of reasons for the indication of allowable subject matter: the prior art of records does not show (in addition to the other elements in the claim) the following:
 - Generating a select signal in response to the clock pulse; and providing the select signal to at least one data addressing multiplexer for selecting an input for the second memory access.
 - Generating a select signal in response to the clock pulse; and providing the select signal to a second MS input of the memory and a data addressing multiplexer for allowing the second memory access.
 - Generating a select signal in response to the clock pulse; and generating the second strobe signal in response to the strobe ready signal and the select signal.
 - Generating the select signal from an output of a first flip-flop; and generating the second strobe signal from an output of a second flip-flop.
 - The strobe ready signal being generated by the memory after the first memory access is complete.

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Conclusion

8. When responding to the Office action, Applicants are advised to provide the Examiner with line and page numbers of the application and/or references cited to assist the Examiner in the prosecution of this case.

9. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Michael T. Tran whose telephone number is (571) 272-1795. The Examiner can normally be reached on Monday-Thursday from 7:30-6:00 P.M.

10. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-1650.

Michael T. Tran Art Unit 2818

September 22, 2004